

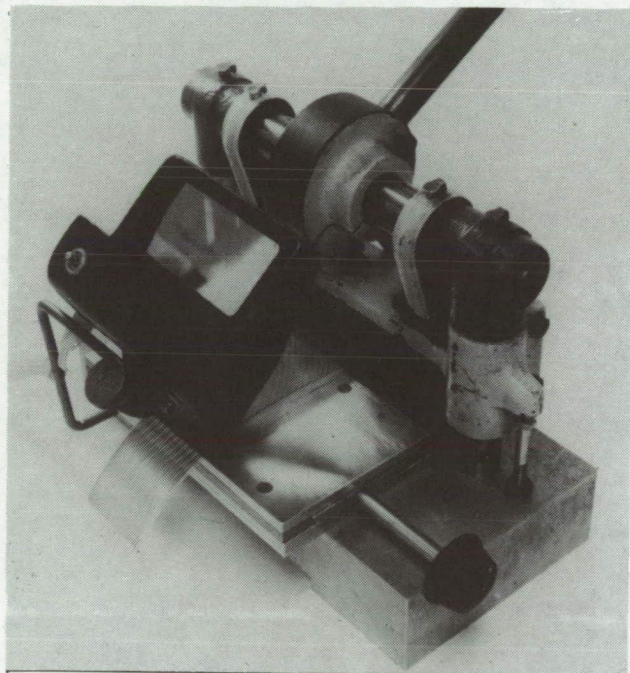
# NASA TECH BRIEF

## *Marshall Space Flight Center*



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### Precision Die-Punch for Trimming the Conductors of Flat Conductor Cable



A precision die-punch will trim the conductors of FCC to a width of 0.040 in., adapting the cable for termination with a standard FCC plug which employs a window piece with 0.048 in. openings and a conductor spacer with 0.044 in. wide slots.

Before insertion into the die-punch, the cable is cut square and stripped with a stripping tool. An adjustable guide, flush with an edge of the cable, is moved right or left until the center of the insulation (between the most central conductors) corresponds with the registration mark on the die. The registration assures that the conductor material is trimmed symmetrically from each side of the conductor when the punch is lowered and raised. This operation trims each conductor to a width of 0.004 in. and consistently leaves 0.035 in. spaces between adjacent conductors.

#### **Note:**

Requests for further information may be directed to:

Technology Utilization Officer  
Code A&TS-TU  
Marshall Space Flight Center  
Huntsville, Alabama 35812  
Reference: B71-10419

#### **Patent status:**

No patent action is contemplated by NASA.

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Category 08